

ABSTRACT

A method and corresponding system use a Personal Computer Memory Card International Association (PCMCIA) card to remotely communicate and interface with flight performance data on an aircraft. The PCMCIA card can be plugged into an Aircraft
5 Condition Monitoring Systems (ACMS) using a card interface. The method and system offer a global communication architecture that can be implemented with existing ACMS devices and with any flight data acquisition unit (FDAU) equipped with a storage card, such as a PCMCIA card. The PCMCIA card offers real-time wireless communication between the ACMS on an aircraft and a ground station without any hardware and/or
10 software modifications to the ACMS.